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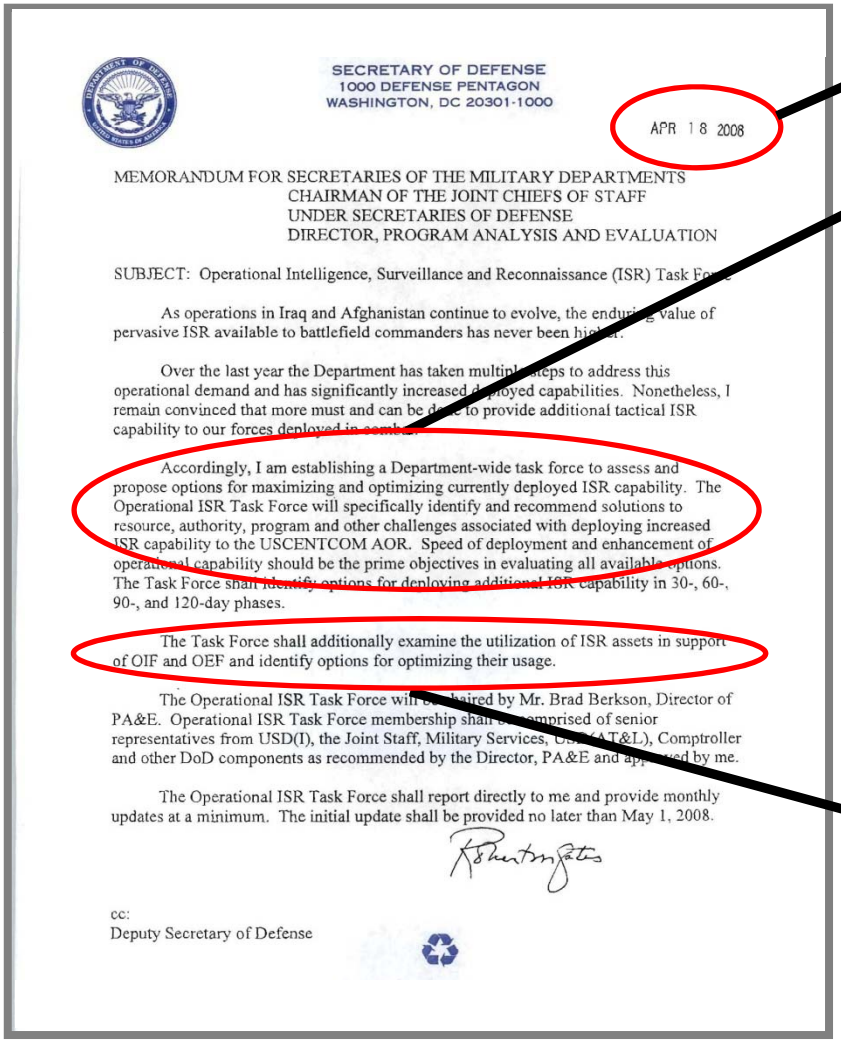
SECDEF Creates the ISR Task Force

ISR Task Force II



SECRETARY OF DEFENSE
1000 DEFENSE PENTAGON
WASHINGTON, DC 20301-1000

APR 18 2008

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
DIRECTOR, PROGRAM ANALYSIS AND EVALUATION

SUBJECT: Operational Intelligence, Surveillance and Reconnaissance (ISR) Task Force

As operations in Iraq and Afghanistan continue to evolve, the enduring value of pervasive ISR available to battlefield commanders has never been higher.

Over the last year the Department has taken multiple steps to address this operational demand and has significantly increased deployed capabilities. Nonetheless, I remain convinced that more must and can be done to provide additional tactical ISR capability to our forces deployed in combat.

Accordingly, I am establishing a Department-wide task force to assess and propose options for maximizing and optimizing currently deployed ISR capability. The Operational ISR Task Force will specifically identify and recommend solutions to resource, authority, program and other challenges associated with deploying increased ISR capability to the USCENTCOM AOR. Speed of deployment and enhancement of operational capability should be the prime objectives in evaluating all available options. The Task Force shall identify options for deploying additional ISR capability in 30-, 60-, 90-, and 120-day phases.

The Task Force shall additionally examine the utilization of ISR assets in support of OIF and OEF and identify options for optimizing their usage.

The Operational ISR Task Force will be chaired by Mr. Brad Berkson, Director of PA&E. Operational ISR Task Force membership shall be comprised of senior representatives from USD(I), the Joint Staff, Military Services, USD(AT&L), Comptroller and other DoD components as recommended by the Director, PA&E and approved by me.

The Operational ISR Task Force shall report directly to me and provide monthly updates at a minimum. The initial update shall be provided no later than May 1, 2008.

cc:
Deputy Secretary of Defense

APR 18 2008

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The Task Force shall additionally examine the utilization of ISR assets in support of OIF and OEF and identify options for optimizing their usage.

SECDEF ISR Task Force Mission

ISR Task Force II

Ensure the Defense Department is doing everything possible to provide intelligence, surveillance and reconnaissance (ISR) assets to support warfighters… *Collection, PED (Processing, Exploitation & Dissemination), & Communications*

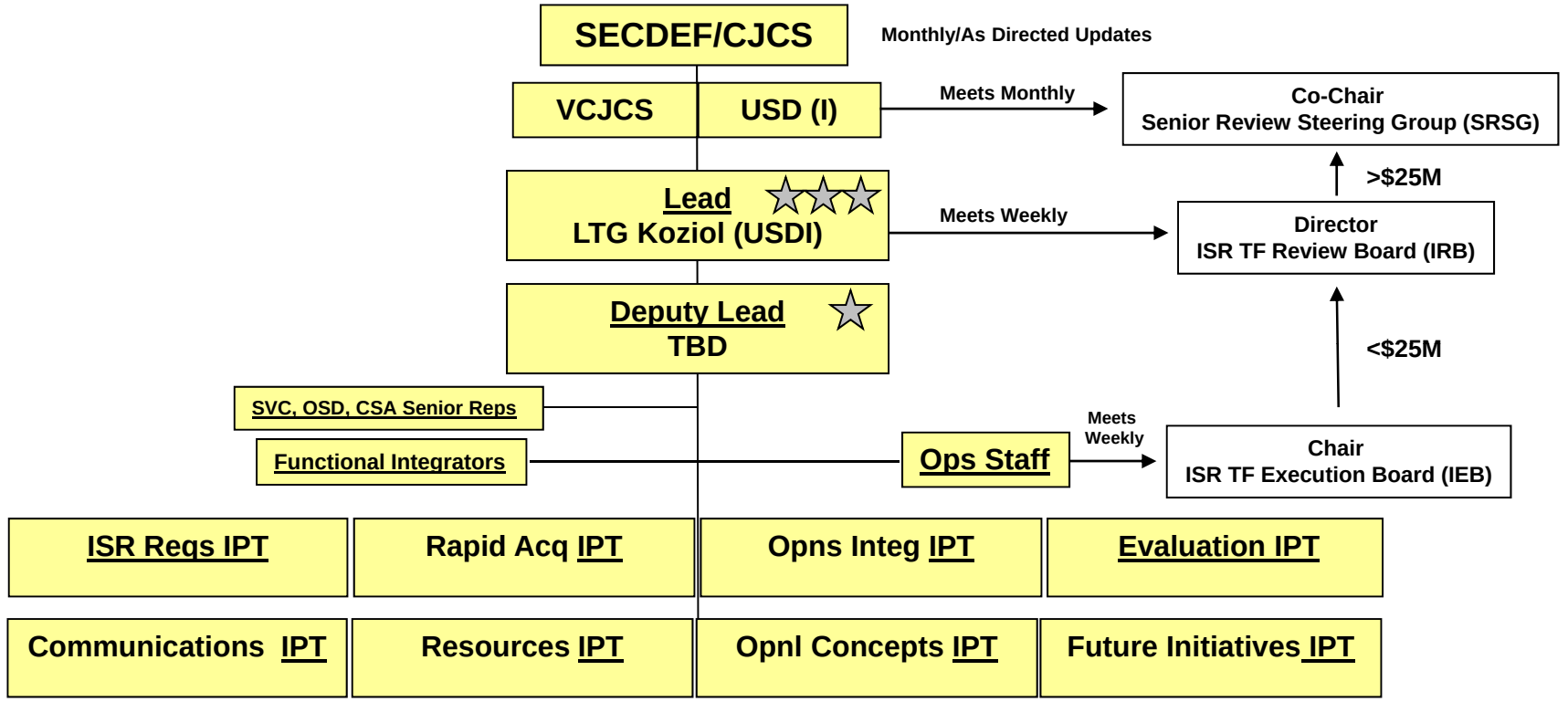
…move the ISR issue to the front burner as it explores "*more innovative and bold ways to help those whose lives are on the line*."

Increased ISR capability & capacity

- Air Force Liberty Program Aircraft (LPA)
- Army MARSS Aircraft
- Remote Video Terminals
- Increased fielding of Services UAS capability
- Enabling Cloud architectures
- Long Endurance Multi-int Vehicle
- Increased Processing Exploitation and Dissemination

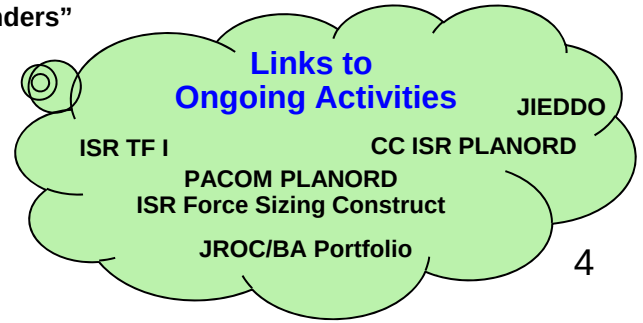
ISR TF Organization

ISR Task Force II



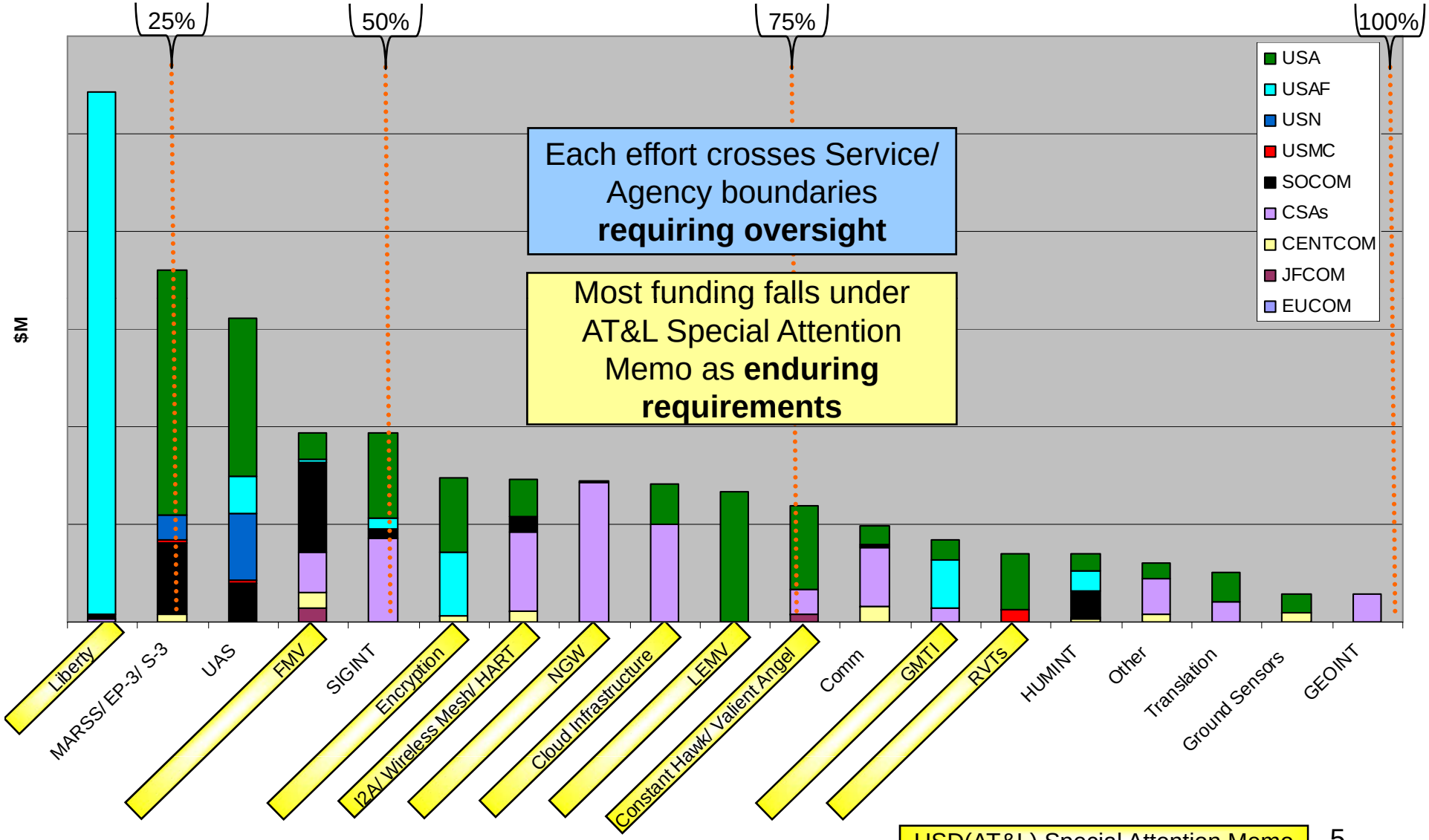
Key Attributes / Responsibilities:

- Assess unmet ISR requirements and develop options (ID & breakdown bottlenecks and barriers)
- Adapt to evolving requirements from CENTCOM / SOCOM / "engaged commanders"
- Pursue innovative solutions to ISR challenges (e.g., TPED)
- Budgeted Activity
  - SRSG – Approve >$25M Initiatives
  - IRB – Approve <$25M Initiatives
  - IEB – Vet Initiatives/Tee up Initiatives for IRB
- Operationalize approved ISR TF Initiatives ICW CENTCOM / SOCOM
- Integrates *capabilities* into the Operational Framework



Allocation of Funds to Initiative Categories by Organization

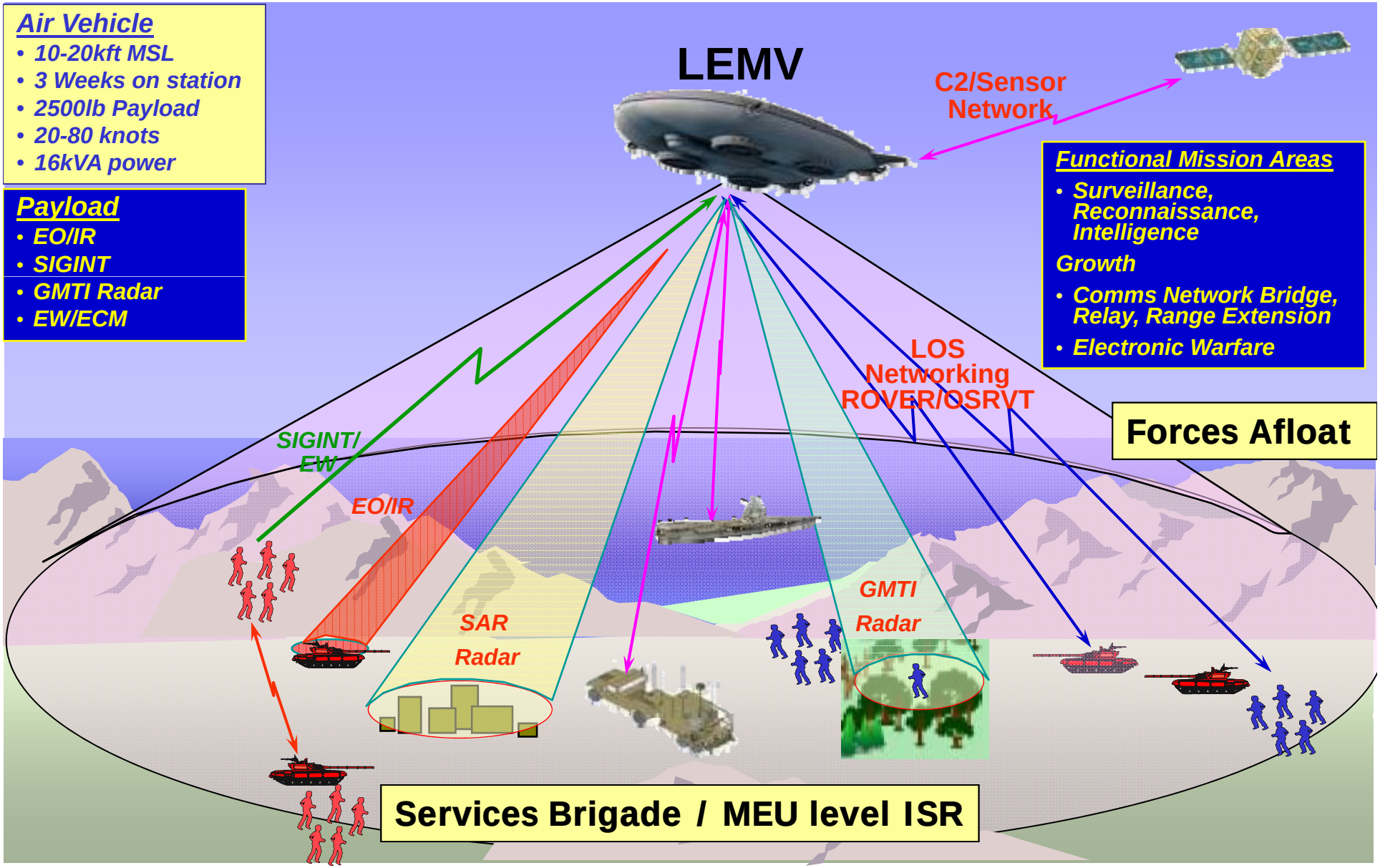
ISR Task Force II



USD(AT&L) Special Attention Memo

Requirement / System Description

ISR Task Force II



LEMV Objectives

ISR Task Force II

Hybrid Airship Objectives:

1) 3 week endurance
2) 2,500 pound payload
3) 20,000 feet Mean Sea Level
4) 16 kW of power
5) Multi-INT
6) Reduced Footprint
7) 80 knots dash speed and 20 knots station keep speed

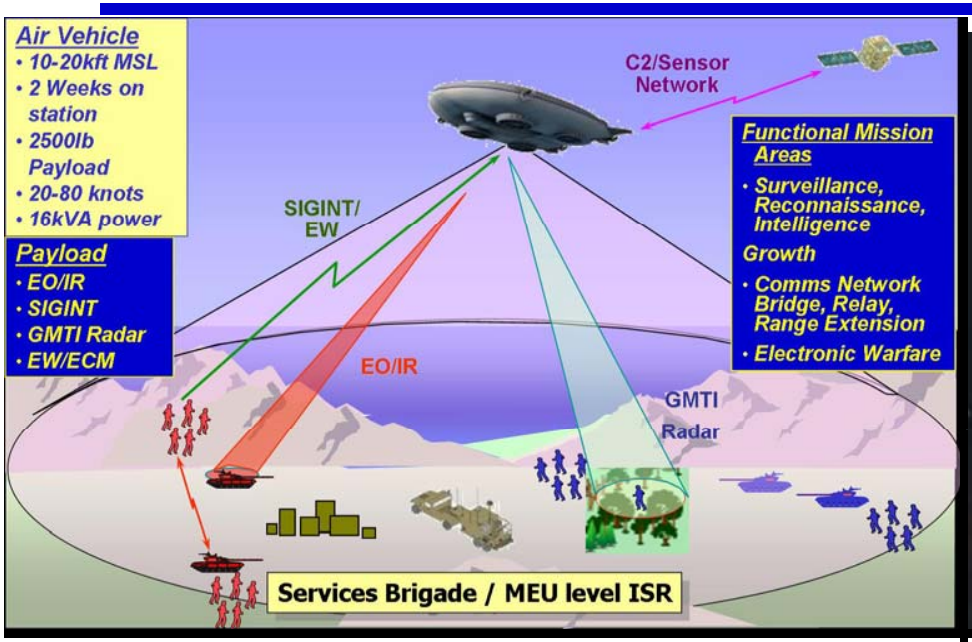
Payloads Objectives:

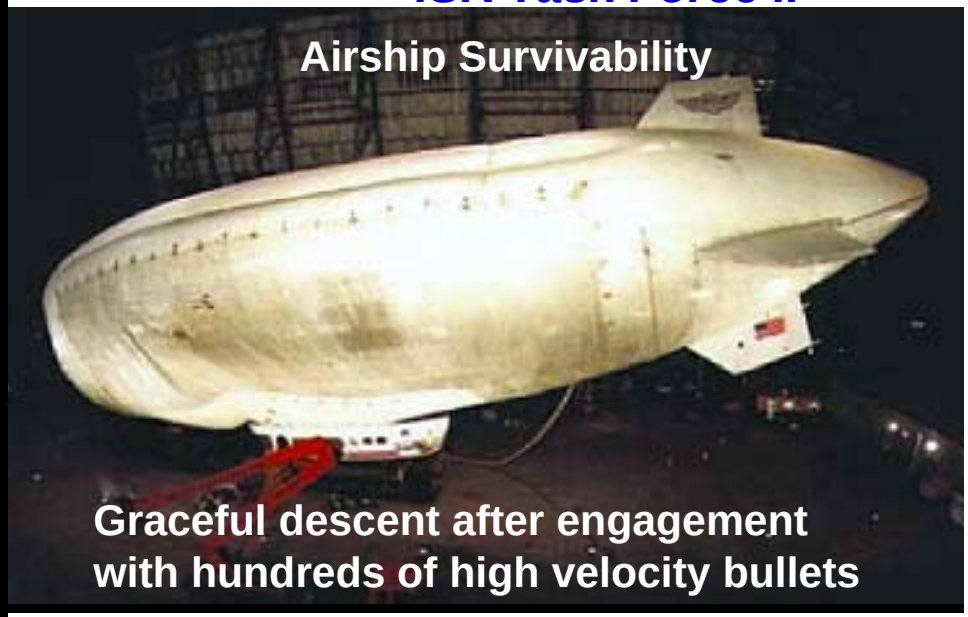
1) Ground Moving Target Indicator
   - 10 X 10 sq km/h per 60 second refresh rate
   - Sedan moving more than 5 mph
   - Minimum detection velocity <5mph i.e. dismounts
2) EO/IR - TBD
3) Communication - TBD
4) Other - TBD

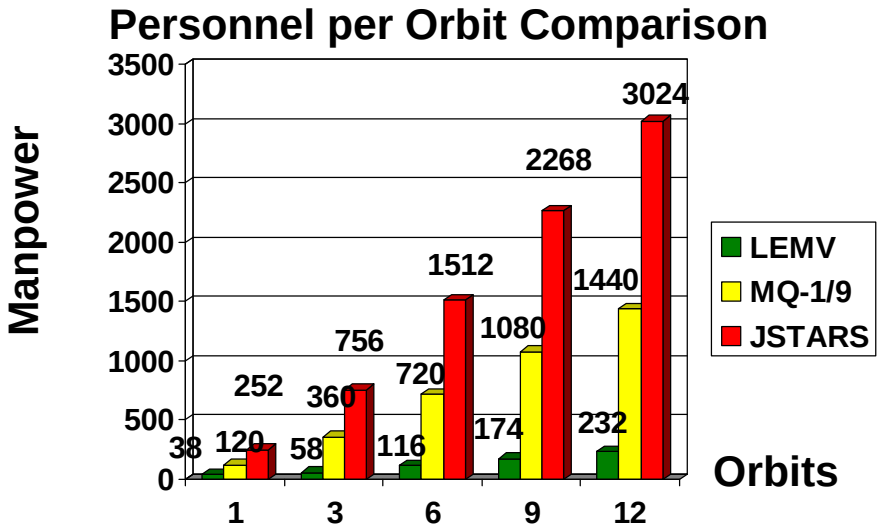
Demonstration in Afghanistan in 18 months after Contract Award

Long Endurance Multi-INT Vehicle

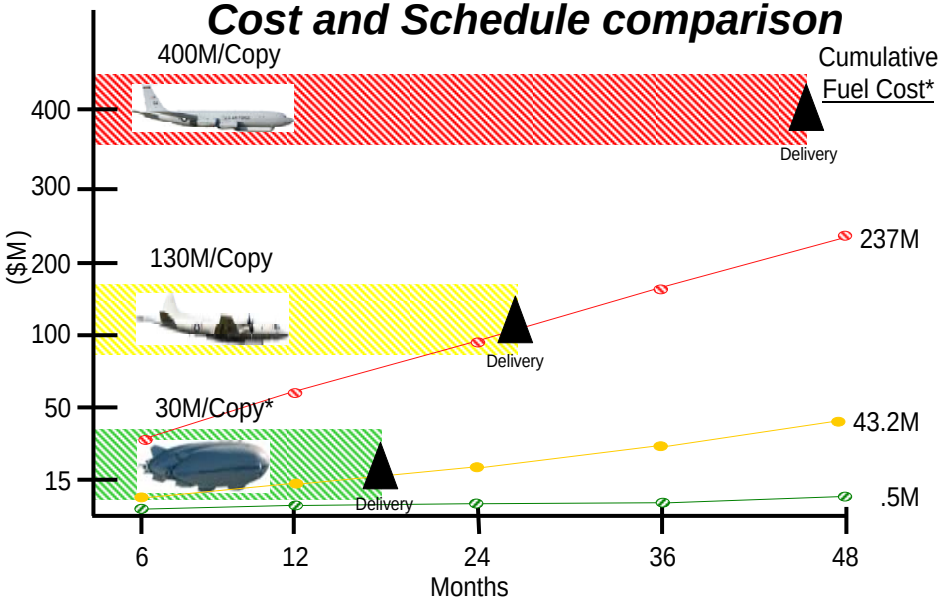
ISR Task Force II





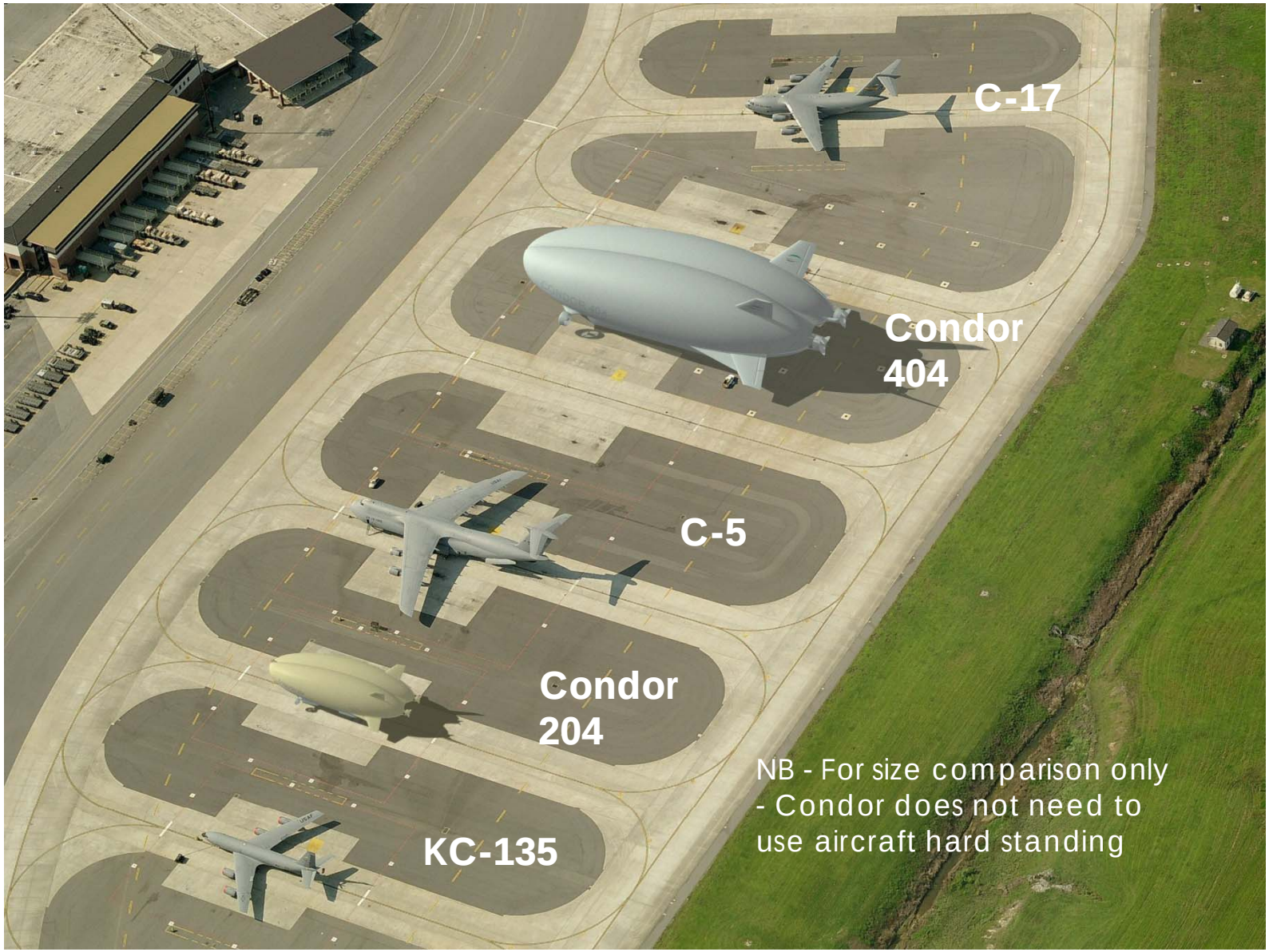


3x-6x manpower reduction over JSTARS



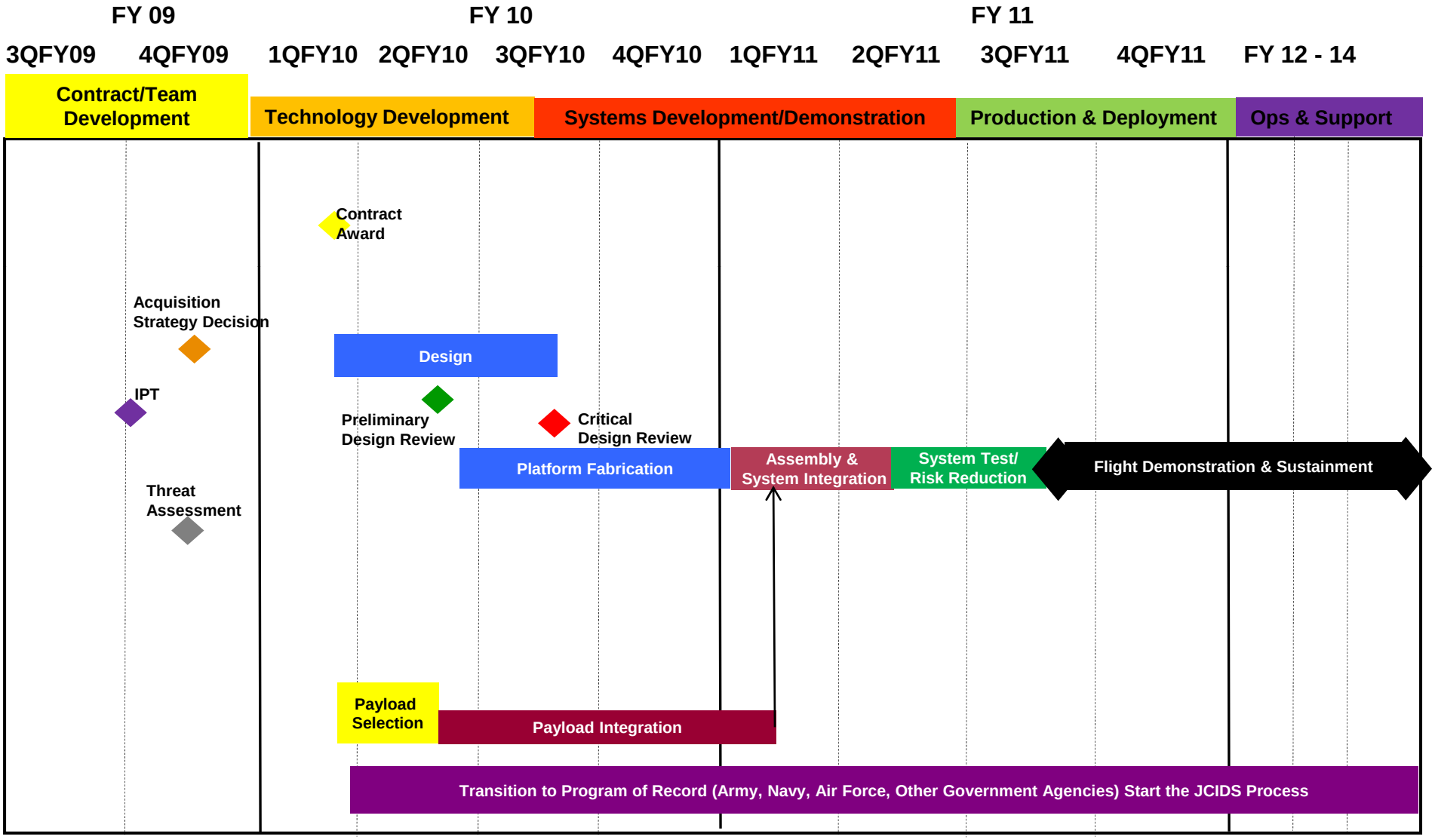
HAV Condor Vehicles Size Comparison

ISR Task Force II



LEMV Notional Schedule

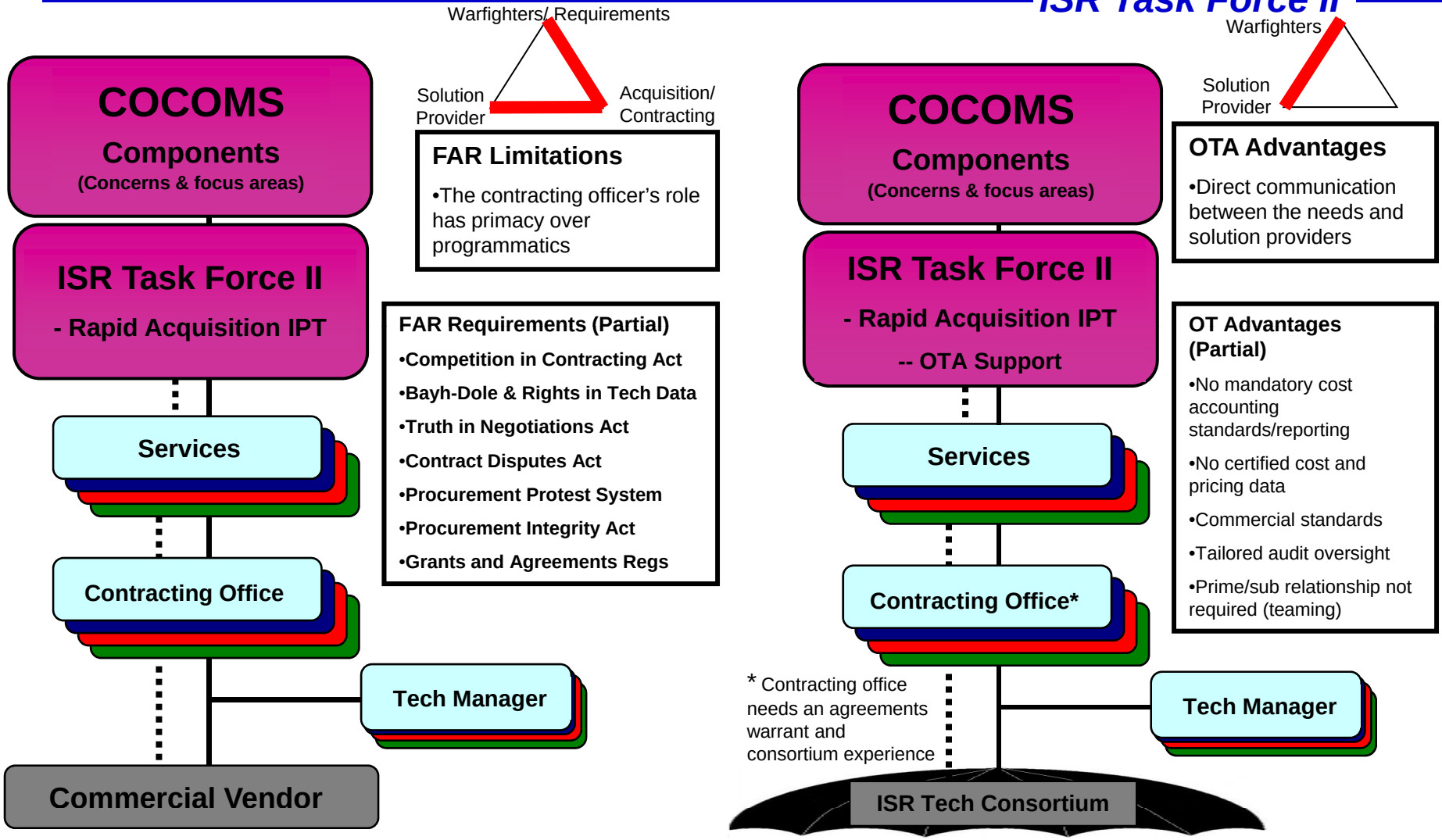
ISR Task Force II



Questions?

Comparison of FAR and OTA Construct

ISR Task Force II



The difference is the process

Needs/Requirements

ISR Task Force II

- **ISR Task Force needed LEMV for:**
  - **Answers persistent ISR requirements from multiple COCOMs**
  - **Provides a solution set with higher endurance and lower manpower cost**
  - **Developed and approved as an ISR TF initiative with Vice Chief Joint Chief of Staff, Under Secretary of Defense (Intelligence), and Secretary of Defense approval**
  - **Given to the Army (SMDC) to execute for the department**

- **JROCM 133-08; dated 23 June 2008**
Subject: Validation of FY 2009 Joint Capabilities Technology Demonstration Proposals
Signed by VCJCS, General Cartwright

- **Operational Requirements Document for Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS) 24 Feb 04, JROC Approved 22 Jan 04**
  - **"Para. 4.1.2 (U) Block II. This block is predicated on the accomplishment of Block I threshold capabilities. Selected Block I objective requirements become threshold requirements for Block II and some new objective values have been added for Block II. In addition Block II KPP 1, SIAP Support, incorporates selected non-KPP surveillance requirements from Block I. <u>The Block II elevated platform will continue to evolve by introducing an additional KPP that transitions the system to a non-tethered platform solution that significantly reduces the logistical and manning burdens associated with the Block I system.</u> The platform KPP is not to be interpreted to preclude the development and provision of advanced sensor payloads apart from advances in the platform. This means that the Block I platform (aerostat) could host a Block II sensor and conversely a Block II platform could host a Block I sensor..."**

LEMV Statement of Objectives

- LEMV progressing with Army SMDC lead
  - Initial $5M pending ATR #2 approval
- Army lead releasing Statement of objectives (SOO) this week
  - Provides industry baseline foe vehicle performance standards and program expectations
- Organized as follows:
  - 1.0: Basic Objectives
  - 2.0: Monitoring and Instrumentation
  - 3.0: Command and Control
  - 4.0: Risk Mitigation and Trade Space Analysis
  - 5.0: Ground Facilities
  - 6.0: Testing and Demonstrations
  - 7.0: Flight Safety and Regulatory Issues
  - 8.0: Operations and Support
  - 9.0: Software
  - 10.0: Data and Reports

LEMV Statement of Objectives

- 1.0: Altitude, payload power, weight and volume, endurance, stability, speed, environmental controls, growth path, and conditions for GOCO operations
- 2.0: Measuring and monitoring outside environments, airship performance, internal and payload bay environments
- 3.0: C2 ground station, encryption, LOS and BLOS operations
- 4.0: Mitigation plans, tradeoff analysis, parallel development
- 5.0: Ground support equipment and personnel, maintenance facilities for fabrication, flight preparations, launch and recovery
- 6.0: Documented test program, mission planning and flight operations support, contractor-flown demonstrations
- 7.0: Compliance with FAA rules, mitigate electromagnetic compatibility, emergency procedures, flight termination procedures
- 8.0: Provide critical spares, support military utility assessment, and provide input for doctrine, training, logistics, personnel, and organizational requirements
- 9.0: Document open architecture, open source code, and executable for reuse
- 10.0: Integrated master plan, work breakdown structure, cost/ schedule management, system description, contract data status and schedules, test plans, in-process reviews, and final report